Geometry Summer School

Room S-2

Ms. Graham-Wright and Mr. Rigby

Course Syllabus

- Class starts at 8:00 am, be there before 8:00 am
- Class ends at 2:00 pm
- Students will have a 30 minute break for lunch between 11:30 am and 1 pm
- There will be a test or quiz every day
- There will be homework every night(HW will be work that is not completed in class)
- Download the App. Notability
- More than 2 absences will result in a failed grade.
- Books will be available in the classroom. Students may check out books with teacher if necessary.

Course Description

- An introduction to basic geometric concepts and constructions. Measurement, area, volume, proof, and geometric shapes and relations are presented with an emphasis on problem solving in "real world" situations.

- Curricular Mapping

- This course will continue to develop student skills in problem solving and understanding mathematical concepts and methods. Solving complex problems involving reasoning, linear equations, measurement, area, volume, proof, geometric shapes, and trigonometry will build upon skills acquired in Algebra I and prepare the student for Algebra II and Precalculus.

Course Objectives

- Upon the successful completion of this course the student will be able to:

    1. Analyze and solve complex problems involving reasoning, linear equations,

measurement, area, volume, geometric shapes, trigonometry, etc.

2. Use reasoning skills to analyze and prove conjectures involving postulates and theorems.

- Texts: See textbook list on Monte Vista website.

Course Outline and Requirements:
1. Reasoning
2. Using Tools of Geometry
3. Triangle Properties
4. Polygon Properties
5. Circle Properties
6. Transformations
7. Area
8. Volume
9. Similarity
10. Trigonometry
11. Proofs
12. Probability

Each student's quarter grade will be determined as follows:

Grade Book Categories

Math Binder, Participation, projects - 15%

Homework - 20%

Quizzes - 25%

Tests - 40%

Semester Weighted Grading Configuration
Quarter -40%
Quarter - 40%
Final Exam - 20%

HS Grading Policy

Most Homework Assignments will be worth 10 points. Late homework will not be accepted and will be a 0 in the class. Please refer to the policy and procedures posted online in our Parent-Student Handbook for absences.

Testing Policies:

Anyone who gets below a 50% has a chance to take a make-up test earning up to a 50%. This will require extra time after school to make the test up and to review with the teacher.

School Policies:

Students are subject to all academic policies of the school as printed in
The Parent-Student Handbook. Furthermore, it is each student's responsibility to read and follow all academic policies of the school. Students who earn a C or better in both 1st and 2nd semesters of this class can advance to the next mathematics course at Monte Vista. Students who earn an F need to repeat the class (often accomplished in summer school). It is recommended that students who receive a D repeat the course to enable them to be successful in future mathematics courses. In addition, a D is not considered a passing grade by some universities (for example, the University of California), so the student will not receive college credit for the course in these cases unless it is repeated and passed with a C or better. To highlight some aspects of school policy regarding exams: A student whose first day of absence is on an exam day must take the exam on the day he/she returns to school. Be prepared to take the test on the day you return to school. Also, talking during a test, not keeping answers or work covered, or looking at someone else's paper may result in a zero grade for that test or quiz. Anyone cheating or allowing other students to cheat will receive a zero on that assignment.

Miscellaneous

Required Materials:

Every student is required to bring the following items to class each day:
- Pencil (preferably mechanical)
- Eraser (a whole separate eraser is recommended rather than the ones on the end of pencils)
- Red pen
- Graph paper
- Compass and Protractor
- Calculator: Please find a basic scientific calculator like the TI-30x. The students cannot use a graphing calculator or a calculator that solves equations. The teacher will be providing procedures for using the TI-30x to solve problems, and students with other scientific calculators need to understand how to accomplish the same steps on their particular calculator.